



Missouri  
Department of  
Natural Resources

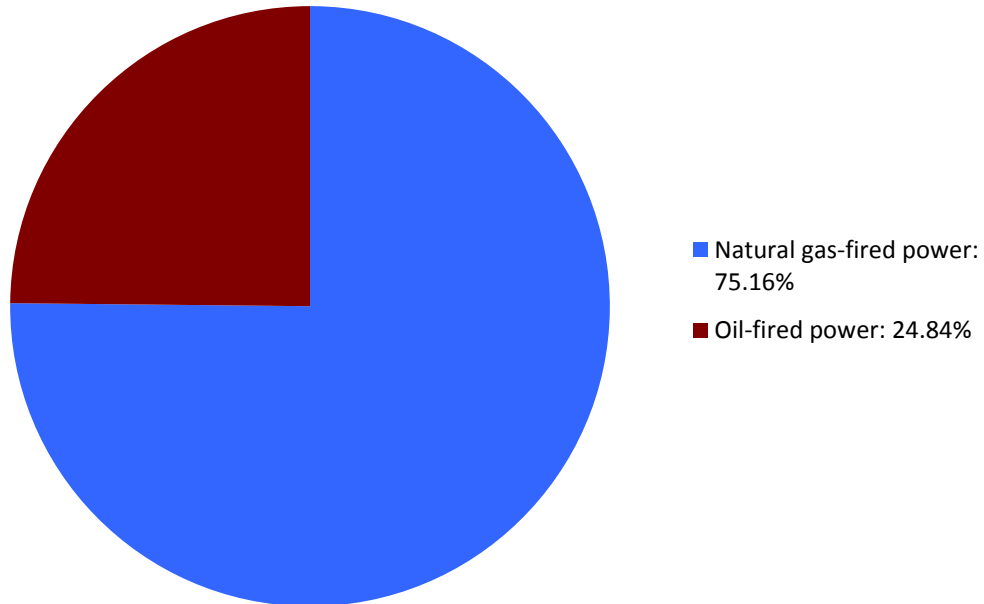
**Power Plant: Carthage**  
**Plant Owner: City of Carthage**  
**Power generated in 2009 from non-renewable and renewable sources**

	Fuel Consumption, MMBTUs	Percent of Total		Net Electric Power Generated in 2009 (MWh)	Percent of Total	
Non-renewable sources						
Coal-fired power						
Natural gas-fired power	10,126	75.17%		428	75.16%	
Oil-fired power	3,345	24.83%		141	24.84%	
Nuclear power						
Other non-renewable power						
Non-renewable total	13,471	100.00%	100.00%	569	100.00%	100.00%
Renewable sources						
Hydroelectric Power						
Wind						
Waste and biomass						
Solar						
Geothermal						
Landfill Gas						
Renewable total	0	0.00%	0.00%	0	0.00%	0.00%
Grand total all sources	13,471		100.00%	569		100.00%

Fuel Type	Physical Units	Number of Units
<b>Natural Gas</b>	Mcf	12,659
<b>Distillate Fuel Oil</b>	Barrels	577



### Net Generation by Fuel Type, 2009 for Carthage





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**Carthage**  
**Emissions from Electricity Generated in 2009**

Plant	Carbon Dioxide(CO2) (Tons)	Carbon Monoxide(CO) (Tons)	Ammonia (NH3) (Tons)	Nitrogen Oxides (NOx) (Tons)	Sulfur Dioxides (SO2) (Tons)
<b>Carthage</b>	787.62	2.60	0.26	28.00	0.65

Plant	Volatile Organic Compounds (VOC) (Tons)	Course Particulate Matter (PM10) (Tons)	Fine Particulate Matter (PM2.5) (Tons)	Mercury (Hg) (LBS)
<b>Carthage</b>	1.40	2.82	2.82	NV

'NV' = Emissions value not available.



### Pollution controls installed on Carthage

SO2 Controls				
Plant	Control Equipment	Sorbent Type	Operational Efficiency	
Carthage	No SO2 Controls Installed			

NOX Controls				
Plant	Device Type	Description	Capture Efficiency	Control Efficiency
Carthage	No NOX Controls Installed			

### Data Sources

- Emissions Data: Missouri Department of Natural Resources, Air Pollution Control Program, Missouri Emissions Inventory System (MOEIS)  
<http://www.dnr.mo.gov/env/apcp/moeis/emissionsreporting.htm>
- CO2 Emissions calculated by Missouri Department of Natural Resources, Division of Energy, from EIA Fuel Consumption Data
- Fuel Consumption and Generation Data: United States Energy Information Administration, Form 923, United States Department of Energy  
[http://www.eia.gov/cneaf/electricity/page/eia906\\_920.html](http://www.eia.gov/cneaf/electricity/page/eia906_920.html)